

# Piolo Justin Cabigao

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## Education

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### Pamantasan ng Lungsod ng Maynila

Bachelor of Science in Computer Engineering

Cumulative GWA: 1.84274, Dean's List 2023-2024

Relevant Coursework: Machine Learning, Digital Signal Processing, Internet of Things, Software Development, Electronic and Electrical Circuits, Feedback and Control Systems

Manila, Philippines

Expected September 2025

### University of Perpetual Help System DALTA

Science, Technology, Engineering, Mathematics (STEM)

Bacoor, Cavite, Philippines

2018-2020

## Work Experience

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### S.P Madrid

Data Analytics Intern, Data Management Department

Paranaque, Philippines

January – March 2025

- Collected, analyzed, and generated reports for assigned campaigns.
- Automated repetitive reporting tasks using Python, VBA, and Macros, increasing efficiency
- Utilized SQL to extract data, ensuring accurate and insightful reports.

### Google Developer on Campus – PLM

Senior Data Volunteer, Technology Department

Manila, Philippines

September 2023 - Present

- Maintains and Build AI/ML Models
- Ensures model reliability across different models developed
- Assist in managing AI/ML scientists

## Projects

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### From Data to Dollars: Predicting Insurance Charges

- Predicted Projected Insurance charges using linear regression
- Demonstrated Data Cleaning techniques such as removing null values, dropping rows with negative or zero value on their age etc.
- Performed Model Evaluation using Mean Squared Error (MSE) and R-Squared (R2) Scores

### Numerical Handwriting Recognition

- Have built and evaluated two machine learning models for recognizing handwritten digits using the MNIST dataset
- Utilized two models for comparison of performance, a sequential and a convolutional neural network (CNN)

## Skills

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**Programming:** Python, Java, C++, SQL, JavaScript, Bash, Javascript, Flutter

**Cloud Computing:** AWS, Google Cloud Platform

**Databases:** MySQL, PostgreSQL, SQLite, MongoDB, Firebase

**Development Tools:** Git, VS Code, Jupyter, Vim, NeoVim, Matlab, Flutterflow

**AI/ML Tools:** Google Colaboratory, TensorFlow, PyTorch, Generative AI (ChatGPT, Gemini, Claude), RoboFlow, Scikit-Learn, Pandas, Numpy, XGBost, YOLO, AWS AI Services

**Data Visualization:** Matplotlib, Seaborn

## Badges and Certifications

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### **Generative AI with Large Language Models**

Deeplearning.AI

May 2024

### **Introduction to Machine Learning with AWS**

AWS

April 2024

### **Professional Diploma in Python Development**

Udemy

March 2024

### **Introduction to Machine Learning**

Kaggle

July 2023

## Memberships and Affiliations

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### **Cohort 1 Scholar**

AI Academy Philippines

April – June 2025

### **DataCamp Scholar**

DataCamp Donates, GDG on Campus – PLM

September 2023 – Present

### **GCP Associate Cloud Engineer Track**

Google Cloud Get Certified Program

2024

## Awards and Honors

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### **Dean's List 2023 – 2024**

Computer Engineering Department, College of Engineering

Pamantasan ng Lungsod ng Maynila

### **AI Developer | Best Generative AI Implementation**

AWS Innovations Cup 2024, AWS Philippines

- Developed the backend for a Generative AI-powered first aid app, integrating AWS Bedrock for personalized medical recommendations.

### **Backend Developer | 3<sup>rd</sup> Place Android Development**

13<sup>th</sup> IT Olympics 2024, University of Makati

- Designed a food inventory app using FlutterFlow, AWS Rekognition, and Google Gemini, integrated with Raspberry Pi & webcam for real-time tracking.